

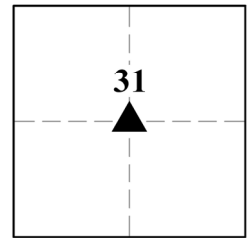
MONUMENT RECORD

Corner ID: **VanBu_C23**

Center 1/4 Corner

Section 31 – T08N – R02W, 2nd P.M.

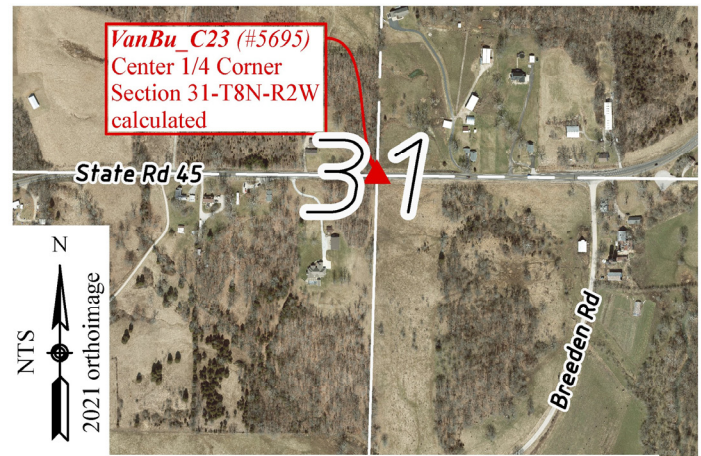
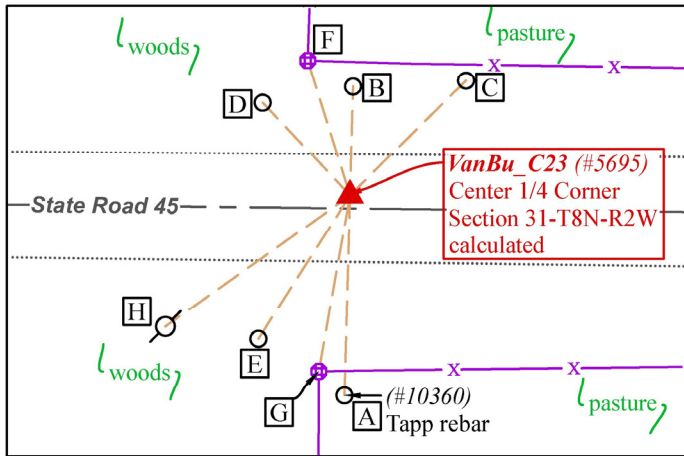
Van Buren Township, Monroe County, Indiana



MONUMENT: Describe monument set or found (Include material type, scribing, distance above/below grade, dimensions.) Calculated corner. No monument was found or set.

GEODETIC COORDINATES: Northing: 1398337.89, Easting: 3068425.14

MONUMENT LOCATION SKETCH: Attach a sketch and aerial image



WITNESS MONUMENT TIES: Describe at least three witness objects established or work done to preserve existing evidence.

ID	Bearing	Distance	Description
A	S 1°35'38" W	50.09'	5/8" rebar with yellow plastic cap stamped "TAPP 80900014" found 0.3 feet below grade (#10360)
B	N 1°35'38" E	27.29'	Rebarlite with Monroe County cap set flush on line and 6.2 feet south of an east/west smooth wire fence
C	N 45°11'46" E	40.83'	Rebarlite with Monroe County cap set flush 3.9 feet south of east/west smooth wire fence
D	N 43°12'38" W	31.86'	Rebarlite with Monroe County cap set flush on the north side of a riprap ditch 13 feet north of the north edge of asphalt of State Road 45
E	S 32°28'25" W	42.62'	Rebarlite with Monroe County cap set flush on the south top of bank
F	N 17° W	35.4'	Southwest side of 6" wooden corner post with smooth wire fence north and east
G	S 10° W	44.7'	Northwest side of 6.5" wooden corner post with smooth wire fence south and east
H	S 54° W	56.6'	10" utility pole UDWI #142249

Notes: Witness ties noted as a "Rebarlite" are a 1/5" x 1" neodymium magnet and 1/4" x 1-1/2 mag nail installed in a yellow 5/8" x 16" polycarbonate "Rebarlite" with an orange plastic cap stamped "MONROE COUNTY WITNESS POINT" set flush. Witness ties were located with RTK.

MONUMENT PRESERVATION: Describe work done to preserve existing monument. Stone mounds should be placed around monuments when stones are readily available. Paint corner stones but not the scribing. A Monroe County "PROTECT NEARBY SURVEY MARKER" sign shall be attached to a steel post when practicable. Note location and relation of corner to sign.

This corner is not monumented.

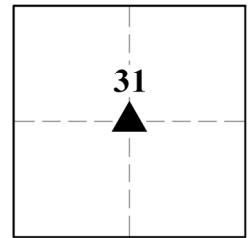
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OTHER EVIDENCE: Describe corner location relative to nearby features and how to reach the corner location – note fences, roads, timber cutting lines, mow lines, clearings, plantings, streams, topo changes, etc.

The calculated position for this corner is 3 feet north of the centerline of State Road 45. The corner is 7.75 feet east of a fence heading south and 10.5 feet east of a fence heading north.

PERPETUATION RECORD

EXISTING SURVEY HISTORY: Include as much detail and history of the corner as known at the time of perpetuation.

ORIGINAL GOVERNMENT SURVEY:

The Center 1/4 of Section 31 was not established by the original government surveyor. Where filed or recorded: LSB2, pg 16

SUBSEQUENT LEGAL SURVEY:

Date Surveyed: 6/18/1858 By: James Woodburn, Deputy

Original monument: "established corner" Bearing

Trees or Reference Monuments:

Species	Dia.	Bearing	Distance
Beech	18"	S 21° W	67 lks = 44.2'
B.Gum	16"	S 49° E	14 lks = 9.2'

No legal survey reference monuments were recovered.

OTHER SURVEY HISTORY: Include details such as surveyor name, date, recording info, monument description, etc.

Date	Surveyor	Description	File Location
01/04/1929	INDOT	State Road 45 Highway plans for Federal Aid Project No. 134, Sec.C (<i>corner not shown</i>)	INDOT
07/21/2006	Deckard, Eric	Yum Type E in Section 31-8N-2W (<i>calculated at the intersection of opposite quarter corners</i>)	MCR 2006020052
05/30/2011	Tapp, Philip	Larry Conder Type A in Section 31 (<i>calculated at the intersection of opposite quarter corners</i>)	MCR 2011008370
06/06/2011	Compton, Randolph L.	SR 45 & Breeden road Location Route Control Survey (<i>calculated per Tapp rebar at Witness A</i>)	MCR 2011007526 MCR 2011007528
09/07/2017	Ramsey, Stephen	D&D Combs Type E in Sec. 31 (<i>calculated</i>)	MCR 2018002164
03/18/2021	Deckard, Eric	Eric Armstrong Type E in Sec. 31 (<i>calculated</i>)	MCR 2021009153
01/20/2022	Borgman, Todd	JLR Type E in Sec. 31 (<i>calculated</i>)	MCR 2022002218

PREVIOUS CERTIFICATION: Is this monument perpetuated by the Monroe County Surveyor's Office?

No.

THEORY OF LOCATION: Describe the theory of location for acceptance of this monument.

Deputy Monroe County Surveyor James Woodburn established this corner in 1858. The corner falls in State Road 45. We did not search for a stone and no trace was found of Woodburn's witnesses. The 1929 INDOT plans for State Road 45 indicate that the highway was built over an existing east/west gravel road but do not depict a stone. In 2006, Eric Deckard calculated this corner at the intersection of the same opposite quarter corners accepted on this survey. In 2011, Philip Tapp used the same methodology. Tapp's 2011 survey shows that the rebar at #10360 (Witness A) was set on line between the stone at VanBu_C21 and the drill steel at VanBu_C25. However, we found the rebar 1.1 feet east of that line. In 2011, Randolph Compton held the Tapp rebar to calculate the north/south center of section line.

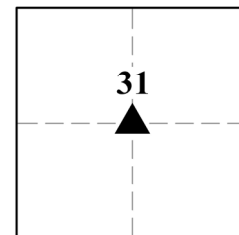
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We tied into surveys by Eric Deckard and Todd Borgman from 2021 and 2022 respectively, and it appears that they both accepted Compton's calculated location for this corner. Deckard and Borgman monumented the north/south center of section line in the North half of Section 31, and Tapp monumented it in the South half of the section. Due to the reliance on the Tapp rebar for monumenting the line, we also accepted it to establish the north/south center of section line by common report. We calculated this corner at the intersection of the line between the stone found at VanBu_A23 and the pipe found at VanBu_E23 with the line between the stone found at VanBu_C21 and the Tapp rebar found at #10360. The corner thus established is S 89°24'53" E 1.09 feet from the intersection of opposite quarter corners. We did not monument the corner due to safety concerns, but we set a witness monument online (noted as Witness B above).

UNCERTAINTIES IN THE CORNER LOCATION DUE TO:

- Variances in the Monumentation: Without a chain of records to prove the perpetuation of the monument set in 1858, its location relative to the current monument is unknown. Therefore, the uncertainty cannot be determined.
- Discrepancies in the Documents: 1.1 feet.
- Inconsistencies in the lines of Occupation: The calculated corner is 3 feet north of the centerline of State Road 45.
- Theoretical Uncertainty (Random Errors in Measurement): The Relative Positional Accuracy of this survey is within the specifications for an Indiana Rural Survey (0.26 feet plus 200 ppm) as defined in IAC 865.

FIELD PERSONNEL:

Field Date: 05/13/2024 and 05/29/2024 By: Rachel Oser and Phillip Oser Project #: OSM #10269 Field Book: OSM 7/44

BASIS OF GEODETIC COORDINATES: Describe equipment used to collect coordinates, datum, epoch, geoid, and zone. The basis of bearings is Grid North System NAD83(2011)/Indiana West NAVD 88, Epoch 2010.0000, geoid18b_conus.db3, US Survey Feet. This project was referenced to the National Spatial Reference System CORS network using the JAVAD GNSS Data Online Processing Service (DPOS) to post-process static observations collected with a Javad Triumph 3 base. Reported coordinates were determined from static, RTPK, or RTK GNSS observations (Javad Triumph LS Rover) or radially with a conventional total station (Nikon Nivo) from points established by GNSS observations. Distances obtained with GPS have not been adjusted to ground.

CERTIFICATION:

Professional Surveyor Name: Rachel Oser

Indiana Professional Surveyor No.: 21100022

Firm Name: Oser Surveying & Mapping LLC Date:
September 17, 2024

Signature:

Seal:



OFFICE USE ONLY

This document is not complete without the associated plat and report of even date.

NOTICE TO PROCEED AND MONUMENT RECORD FORM ISSUED TO:			
Offeror Name:	Rachel Oser	Firm Name:	Oser Surveying & Mapping LLC
Phone:	812-320-2694	Email:	Rachel@OserSurveying.com
Corner Classification:	Unknown	Corner Coordinate Status:	GIS
Issue Date:	2/21/2024	Form Due Date:	11/15/2024
		Form Receipt Date:	09/17/2024

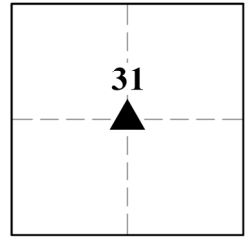
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Van Buren Township, Monroe County, Indiana



A handwritten signature in black ink, appearing to read 'Trohn Enright-Randolph'.

Date: 10/15/2024
Trohn Enright-Randolph
Monroe County Surveyor



A handwritten signature in black ink, appearing to read 'Donna Babin'.

Accepted by the Monroe
County Surveyor Review
Board on 10/15/2024